

What is claimed is:

1. A vehicular control device having a self-diagnosis function for informing occurrence of abnormality in at least one diagnosis target by controlling at least one malfunction indicator light (MIL) based on a result of a malfunction detection operation of each one of said at least one diagnosis target, said vehicular control device comprising an object oriented self-diagnosis program stored therein for implementing said self-diagnosis function, said object oriented self-diagnosis program including:

at least one malfunction-information storing object (300) that specifies a control instruction for instructing a control operation of said at least one MIL with respect to malfunction information of said each one of said at least one diagnosis target based on said malfunction information of said each one of said at least one diagnosis target, said malfunction information of said each one of said at least one diagnosis target being determined based on said result of said malfunction detection operation of said each one of said at least one diagnosis target in view of a level of malfunction of said each one of said at least one diagnosis target; and

a malfunction-information managing object that carries out adjustment of said control instruction of said at least one MIL specified by said at least one malfunction-information storing object based on said malfunction information of said each one of said at least one diagnosis target and outputs MIL information

for controlling said at least one MIL based on a result of said adjustment of said control instruction of said at least one MIL.

2. A vehicular control device according to claim 1, wherein:

said at least one malfunction-information storing object stores said malfunction information of said each one of said at least one diagnosis target; and

said malfunction-information managing object commands said at least one malfunction-information storing object to store said malfunction information of said each one of said at least one diagnosis target based on said result of said malfunction detection operation of said each one of said at least one diagnosis target.

3. A vehicular control device according to claim 1, wherein each one of said at least one malfunction-information storing object is prepared for each corresponding one of said at least one diagnosis target or is prepared for each corresponding one of at least one malfunction check item that corresponds to said at least one diagnosis target, respectively.

4. A vehicular control device according to claim 1, wherein:

said at least one malfunction-information storing object stores relationship information indicative of relationship between said malfunction information and said control instruction; and

said at least one malfunction-information storing object

specifies said control instruction of said at least one MIL based on said relationship information.

5. A vehicular control device according to claim 1, wherein said at least one malfunction-information storing object specifies said control instruction based on said malfunction information of said each one of said at least one diagnosis target when a request for retrieving said control instruction is received from said malfunction-information managing object.

6. A vehicular control device according to claim 1, wherein:
said control instruction is selected from a plurality of control instructions having different predetermined priority levels; and

said malfunction-information managing object outputs one of said control instructions having a highest priority level as said MIL information.

7. A vehicular control device having a self-diagnosis function for informing occurrence of abnormality in at least one diagnosis target by controlling at least one malfunction indicator light (MIL) based on a result of a malfunction detection operation of each one of said at least one diagnosis target, said vehicular control device comprising an object oriented self-diagnosis program stored therein for implementing said self-diagnosis function, said object oriented self-diagnosis program including: